

WHAT IS CLAIMED IS:

1 1. A method for testing, said method comprising:
2 coupling one or more modified frame relay sub-
3 interface entities internal to at least one
4 network router with one or more corresponding
5 data link layer entities internal to at least
6 one unit under test.

1 2. The method of Claim 1, wherein the unit under
2 test is a computer system.

1 3. The method of Claim 1, wherein said coupling
2 one or more modified frame relay sub-interface entities
3 internal to at least one network router with one or more
4 corresponding data link layer entities internal to at
5 least one unit under test further includes:
6 connecting at least one physical data link between
7 the at least one network router and the at
8 least one unit under test.

1 4. The method of Claim 3, wherein said connecting
2 at least one physical data link between the at least one
3 network router and the at least one unit under test
4 further includes:
5 coupling an input of a first data link to a first
6 network router;
7 coupling an output of the first data link to an
8 input of switching logic; and
9 connecting at least one output of the switching
10 logic to an input of the unit under test.

1 5. The method of Claim 1, wherein said coupling
2 one or more modified frame relay sub-interface entities
3 internal to at least one network router with one or more
4 corresponding data link layer entities internal to at
5 least one unit under test further includes:

6 connecting at least one aggregation unit between the
7 at least one network router and the at least
8 one unit under test.

1 6. The method of Claim 5, wherein said connecting
2 at least one aggregation unit between the at least one
3 network router and the at least one unit under test
4 further includes:

5 connecting an output of a first network router and
6 an output of a second network router to an
7 input of a first aggregation unit; and
8 connecting an output of the first aggregation unit
9 to the unit under test.

1 7. The method of Claim 5, wherein said connecting
2 at least one aggregation unit between the at least one
3 network router and the at least one unit under test
4 further includes:

5 coupling an output of an aggregation unit to an
6 input of switching logic; and
7 connecting at least one output of the switching
8 logic to an input of the unit under test.

1 8. The method of Claim 1, wherein said coupling
2 one or more modified frame relay sub-interface entities
3 internal to at least one network router with one or more

4 corresponding data link layer entities internal to at
5 least one unit under test further includes:
6 coupling at least one of the one or more modified
7 frame relay sub-interface entities with at
8 least one decryption-encryption service.

1 9. The method of Claim 1, wherein said coupling
2 one or more modified frame relay sub-interface entities
3 internal to at least one network router with one or more
4 corresponding data link layer entities internal to at
5 least one unit under test further includes:
6 coupling at least one of the one or more modified
7 frame relay sub-interface entities with at
8 least one network layer entity.

1 10. A system for testing, said system comprising:
2 one or more modified frame relay sub-interface
3 entities internal to at least one network
4 router coupled with one or more corresponding
5 data link layer entities internal to at least
6 one unit under test.

1 11. The system of Claim 10, wherein the unit under
2 test is a computer system.

1 12. The system of Claim 10, wherein said one or
2 more modified frame relay sub-interface entities internal
3 to at least one network router coupled with one or more
4 corresponding data link layer entities internal to at
5 least one unit under test further includes:

6 at least one physical data link connecting the at
7 least one network router with the at least one
8 unit under test.

1 13. The system of Claim 12, wherein said at least
2 one physical data link connecting the at least one
3 network router with the at least one unit under test
4 further includes:

5 an input of a first data link coupled to a first
6 network router;
7 an output of the first data link coupled to an input
8 of switching logic; and
9 at least one output of the switching logic coupled
10 to an input of the unit under test.

1 14. The system of Claim 10, wherein said one or
2 more modified frame relay sub-interface entities internal
3 to at least one network router coupled with one or more
4 corresponding data link layer entities internal to at
5 least one unit under test further include:

6 at least one aggregation unit connected between the
7 at least one network router and the at least
8 one unit under test.

1 15. The system of Claim 14, wherein said at least
2 one aggregation unit connected between the at least one
3 network router and the at least one unit under test
4 further includes:

5 an output of a first network router and an output of
6 a second network router both connected to an
7 input of a first aggregation unit; and
8 an output of the first aggregation unit connected to
9 an input of the unit under test.

1 16. The system of Claim 14, wherein said at least
2 one aggregation unit connected between the at least one
3 network router and the at least one unit under test
4 further includes:

5 an output of an aggregation unit coupled to an input
6 of switching logic; and
7 at least one output of the switching logic coupled
8 to an input of the unit under test.

1 17. The system of Claim 10, wherein said one or
2 more modified frame relay sub-interface entities internal
3 to at least one network router coupled with one or more

4 corresponding data link layer entities internal to at
5 least one unit under test further includes:
6 at least one of the one or more modified frame relay
7 sub-interface entities logically coupled with
8 at least one decryption-encryption service.

1 18. The system of Claim 10, wherein said one or
2 more modified frame relay sub-interface entities internal
3 to at least one network router coupled with one or more
4 corresponding data link layer entities internal to at
5 least one unit under test further includes:
6 at least one of the one or more modified frame relay
7 sub-interface entities logically coupled with
8 at least one network layer entity.

1 19. An apparatus for testing, said apparatus
2 comprising:
3 means for coupling one or more modified frame relay
4 sub-interface entities internal to at least one
5 network router with one or more corresponding
6 data link layer entities internal to at least
7 one unit under test.

1 20. The apparatus of Claim 19, wherein the unit
2 under test is a computer system.

1 21. The apparatus of Claim 19, wherein said means
2 for coupling one or more modified frame relay sub-
3 interface entities internal to at least one network
4 router with one or more corresponding data link layer
5 entities internal to at least one unit under test further
6 includes:

7 means for connecting at least one physical data link
8 between the at least one network router and the
9 at least one unit under test.

1 22. The apparatus of Claim 21, wherein said means
2 for connecting at least one physical data link between
3 the at least one network router and the at least one unit
4 under test further includes:

5 means for coupling an input of a first data link to
6 a first network router;

7 means for coupling an output of the first data link
8 to an input of switching logic; and

9 means for connecting at least one output of the
10 switching logic to an input of the unit under
11 test.

1 23. The apparatus of Claim 19, wherein said means
2 for coupling one or more modified frame relay sub-
3 interface entities internal to at least one network
4 router with one or more corresponding data link layer
5 entities internal to at least one unit under test further
6 includes:

7 means for connecting at least one aggregation unit
8 between the at least one network router and the
9 at least one unit under test.

1 24. The apparatus of Claim 23, wherein said means
2 for connecting at least one aggregation unit between the
3 at least one network router and the at least one unit
4 under test further includes:

5 means for connecting an output of a first network
6 router and an output of a second network router
7 to an input of a first aggregation unit; and
8 means for connecting an output of the first
9 aggregation unit to the unit under test.

1 25. The apparatus of Claim 23, wherein said means
2 for connecting at least one aggregation unit between the
3 at least one network router and the at least one unit
4 under test further includes:

5 means for coupling an output of an aggregation unit
6 to an input of switching logic; and
7 means for connecting at least one output of the
8 switching logic to an input of the unit under
9 test.

1 26. The apparatus of Claim 19, wherein said means
2 for coupling one or more modified frame relay sub-
3 interface entities internal to at least one network
4 router with one or more corresponding data link layer
5 entities internal to at least one unit under test further
6 includes:

7 means for coupling at least one of the one or more
8 modified frame relay sub-interface entities
9 with at least one decryption-encryption
10 service.

1 27. The apparatus of Claim 19, wherein said means
2 for coupling one or more modified frame relay sub-
3 interface entities internal to at least one network
4 router with one or more corresponding data link layer
5 entities internal to at least one unit under test further
6 includes:

7 means for coupling at least one of the one or more
8 modified frame relay sub-interface entities
9 with at least one network layer entity.

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